

NSD Monday Morning Meeting



April 9, 2007



m Cubed

Misc. TABL News

CSEE Seeking Mentors To Host Teachers

Berkeley Lab's Center for Science and Engineering Education is seeking research investigators willing to host high school and middle school science teachers. Twenty-five teachers will spend eight weeks this summer at the Lab as teacher research associates.

Investigators interested in hosting a teacher from June 18 to Aug. 10 should contact **Rollie Otto** at (X2648 or rjotto@lbl.gov) for more information and to review teacher applications. Descriptions of the Teacher Scientist program can be found [here](#).

ANNOUNCEMENTS

Lab Tour Guides Sought; Stipends Are Offered



Berkeley Lab's Community Relations Office is seeking graduate students and

postdocs to provide tours of the Lab and its various facilities, including the Advanced Light Source and Molecular Foundry. Guides can receive up to \$70 for each two-hour tour. Participants not only get to improve their public speaking skills, but will also learn more about the Lab's research programs. Training is provided. Those interested can e-mail [Beverly Harris](#).

Celebrate Earth Day In a Personal Way



While the Lab will not host an Earth Day Fair this year, employees

can still have an impact by making a number of simple everyday choices that can help protect the environment. The Environmental Protection Agency has created various websites with information on [reducing greenhouse emission](#), purchasing energy [efficient products](#), and [saving water](#). Go [here](#) for more information on Earth Day (April 22).



EH&S: TAB

SAFETY NOTES

When Storing Liquid Chemicals, Use Trays



A recent DOE inspection of Berkeley Lab found several instances of liquid chemicals

stored without containment trays. Lab policy requires all liquid chemicals to be stored in chemically resistant drip trays (see the [Chemical Hygiene and Safety Plan](#)). This minimizes the impact and spread of a spills from broken/leaking containers. Drip trays also make cleanup easier. Tray capacity must be 110 percent of the largest container, or 10 percent of the aggregate volume of all containers, whichever is larger. Photo trays provide good containment and are widely used at the Lab. Go [here](#) for information on ordering photo trays.

SAFETY NOTE

Lesson Learned: Use Proper Eye Protection



A recent incident underscores the need to

select proper eye protection for each job. An employee was drilling holes into aluminum cable trays located above equipment racks that were cooled by fans. The employee was wearing wrap-around safety glasses but still got a particle in the eye. Normally, wrap-around safety glasses would provide good protection for work that was below the employee's face, but in this case, the position and direction of the fans make goggles a better choice for protecting the eyes. Go [here](#) for more information.

More on
Satellite
Accumulation
Area (SAA)
by Marty

EH&S: Eye Protection



Potential Hazard Examples:

Drilling, hammering, grinding, sanding, and masonry work produce particles

Handling chemicals may lead to splashes in the eye

Wet or powdered cement in the eye can cause a chemical burn

Welding leads to exposure to arcs and flashes (intense UV radiation) for welders, helpers, and bystanders

Dusty or windy conditions can lead to particles in the eye

Eye injuries can result from simply passing through an area where work is being performed (machine shop!)

Coworkers around or above you may generate the hazard

EH&S: Eye Protection



3-part eye safety strategy:

Use engineering controls (best) such as machine guards that prevent the escape of particles or welding curtains for arc flash protection

Use administrative controls (good) such as making certain areas “off limits” unless that is your work assignment area or putting passage ways out of active work zones

Use the proper protective eyewear (required, but doesn’t remove all risk)

EH&S: Eye Protection



Safety glasses with side shields/protection:

Side protection is required any time that there are hazards from flying particles or objects

Many eye injuries have occurred because there was not adequate side protection, proper fit, or particles fell from above such as when drilling overhead

Safety goggles:

Goggles are stronger than safety glasses, and are used for higher impact protection, greater particle protection, chemical splashes, and welding light protection

Goggles with direct venting (a mesh of small holes around the sides) tend to fog less, but should not be used with liquid or fine dust hazards

From National Institute of Occupational Health and Safety

EH&S: Eye Protection



Face shields:

Face shields are used for even higher impact protection and to protect the wearer's face in addition to the eyes

Face shields should always be used over safety glasses or goggles

Particles or chemicals can easily go around a faceshield and the curve of the faceshield can direct them into the eye

Face shields are frequently lifted leaving the eyes unprotected without the safety glasses or goggles



Seminars

(Apr 9, 2007 - Apr 22, 2007)

- UCB Physics colloquium (4:30 PM, 1 LeConte):

April 9, 2007

4:30 pm

1 LeConte Hall

Colloquia

**Further Reflections On The Dismal Future Of
The Universe**

Lawrence M. Krauss

April 16, 2007

4:30 pm

1 LeConte

Colloquia

**Entanglement Of Josephson-Junction
Quantum Bits**

John Martinis



Seminars

(Apr 9, 2007 - Apr 22, 2007)

- Nuclear Physics Forum: None?
- Heavy Ion Tea: None?
- NSD Colloquium:

Dr. Abhijit Majumder
of
Duke University

Wednesday, April 11, 2007
2:00 p.m.
Perseverance Hall

Title:

"Probing the structure of the strongly coupled Quark Gluon Plasma"

- INPA Journal Club (12 noon, 50-5026)

20 April

Michael Ware (Holland & Knight)
TBA



Seminars

(Apr 9, 2007 - Apr 22, 2007)

- PD RPM (4 PM, 50A-5132):

Chris Hays (Oxford)

Date: Thursday, April 12, 2007

Time: 4 P.M.

Location: 50A-5132

Title: "First Run II Measurement of the W Boson Mass with CDF"

[Abstract](#)

+ MiniBooNE result announcement on April 11



Seminars

(Apr 9, 2007 - Apr 22, 2007)

- Nuclear Engineering Colloq.

Colloquiums held in room 3105 Etcheverry Hall
Refreshments served from 3:45, Speaker 4:00 - 5:00 P.M.

April 9 Dr. Bozidar
 Stojadinovic,
 UCB

April 16 Dr. Umeki



Next m^3

Date & Time: April 23, 2007, 9:00 AM

Azriel Goldschmidt: TPC development for
double-beta decay research

Future meeting dates and talks are listed in:
http://neutrino.lbl.gov/~snoman/NSD_MMM

Speaker suggestions:
Alan Poon, awpoon@lbl.gov, x2467



Today's m^3

Marty White

More on SAA Compliance

Leo Greiner

STAR pixel vertex detector development